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50X1-HUM

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INFORMATION REPORT

REPORT

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COUNTRY East Germany

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SUBJECT Steel Markings

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Steel Markings in the DDR.

1. The Ministry for Machine Construction has worked out the TGL 27:2, (Technische Güte- und Lieferungs Vorschriften) ~~xxx~~, Steel ~~recognition~~ index colors, steel ~~recognition~~ index numbers. Industries in the DDR can buy these TGL from the Publication office of the Kammer der Technik.

2. The TGL defines a system ~~xxxxxxxxxxxxxxxxxxxx~~ according to which to every commonly used steel in the DDR is attached a ~~xxxxx~~ recognition color consisting of 3 colors as well as a code or ~~recognition~~ index number. Nine colors are used for the combinations, which are specified on the titel page of the TGL. Rods carry the ~~recognition~~ index color on one end. The colors are applied as so-called color rings on the circumference of the ~~round~~ or other shaped cross-section. Plates ~~are receive~~ Given the ~~recognition~~ index color ~~as~~ in diagonal stripes on one corner. In a three-color combintation each color means the following:

a) Color (color ring or color stripe): the group of the steel

b) Color (" " " " "): the sub-group, that is, alloy or condition of the steel.

c) Color (" " " " "): the grade of the steel, measured by the alloying ingredients, strength or other characteristic properties for use.

~~Because however,~~ Since all steels which are delivered in the DDR must be marked according TGL 27:2, the TGL is ~~xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx~~ of importance ~~in so far as~~ because it are indicated ~~there in~~ all ~~xxx~~ steels which ~~find~~ are used in the DDR. It is ~~striking~~ noteworthy that on the supplements 7-1, 7-2, 8-1 an 8-2 for work tool steel, no marks are indicated in the column for type designation.

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All steels must be clearly marked with index colors and index numbers. Each color corresponds to a number from 1 - 9. The numeral 0 is used for "without color".

Table Showing Combinations of Colors and Numerals

Index Number	Index Colors: Colors		German Industrial Standard	Purpose
0	"without color"		For Index No. 000 brown RAL 8003	Unalloyed steels for machine-building; construction sheets (see supplement 6)
1	white		RAL 9002	automatic steels, screw steels, and other similar steels
2	yellow		RAL 1012	casehardening steels
3	green		RAL 6010	Heat-Treatable Steels
4	red		RAL 3000	Spring steels, Welding Wire, Steel Wire
5	blue		RAL 5009	Sheets and Pipes
6	black		RAL 9005	Unalloyed Tool Steels
7	orange		RAL 2000	Alloyed Tool Steels, High-Speed Steels, and other similar steels
8	violet		RAL 4001	special steels (steel for antifriction bearings; also heat-proof, scale-resistant, and corrosion-resistant steels, etc.)
9	gray		RAL 7011	other Steels

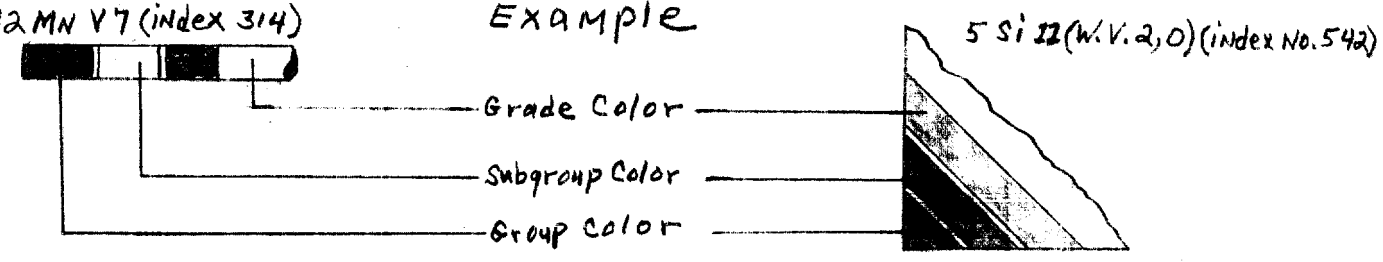
The type designations for unalloyed steels for machine-building indicate only the strength factors. ~~TEXXX~~ Type designations in parentheses are either supplementary designations from the Steel Markings List or old DIN (German Industrial Standards) designations.
The color markings have the following meanings:

The first color ring or color stripe: The group of the steel
The second color ring or color stripe: the subgroup (alloy or condition) of the steel.
The third color ring or color stripe: the grade of the steel, measured by the alloying ingredients, strength, and other properties of the steel, which are important for its use.

The color rings are placed on the ends of bars, shapes, etc., and diagonally across one corner of sheets. The color rings or stripes are about 40 millimeters wide and are spaced so that the colors will not run together. An empty space (ring or stripe without color) must likewise be clearly indicated and must be 40 millimeters wide.
The index numbers are to be used in correspondence; however, they can be used in addition to the color designation if the size of the bars, shapes, sheets, etc. permits.

Steels not marked according to this TGL (Technical Standards, Quality Specifications, and Delivery Terms) cannot be delivered.

Example



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DK 669

Dezember 1951

Deutsche Demokratische Republik Reg. Nr. 00474	**Stahlkennfarben Stahlkennzahlen**	TGL 27:2

Alle Stähle müssen eindeutig gekennzeichnet werden.

Zur Kennzeichnung sind Kennfarben und Kennzahlen zu verwenden. Jede Farbe entspricht einer Ziffer von 1 bis 9. Die Ziffer 0 ist als Kennzeichnung für „ohne Farbe" eingesetzt.

Zuordnung der Farben und Ziffern

Kennziffer	Kennfarben: Farbton		Kennfarben: DIN 5381	Anwendung
0	o. F.		für Kennzahl 000 braun RAL 8003	Unlegierte Maschinenbaustähle, Bauбleche (siehe auch Beiblatt 6)
1	weiß		RAL 9002	Automatenstähle, Schraubenstähle und ähnliche
2	gelb		RAL 1012	Einsatzstähle
3	grün		RAL 6010	Vergütungsstähle
4	rot		RAL 3000	Federstähle, Schweißdrähte, Stahldrähte
5	blau		RAL 5009	Bleche und Rohre
6	schwarz		RAL 9005	Unlegierte Werkzeugstähle
7	orange		RAL 2000	Legierte Werkzeugstähle, Schnellstähle und ähnliche
8	lila		RAL 4001	Sonderstähle (Wälzlager-, warmfeste, zunderbeständige, korrosionsbeständige Stähle und ähnliche)
9	grau		RAL 7011	Sonstige Stähle

Die Markenbezeichnungen der unlegierten Maschinenbaustähle geben nur die Festigkeitswerte an. Bei den in Klammern stehenden Markenbezeichnungen handelt es sich um zusätzliche Bezeichnungen nach dem Stahlmarkenverzeichnis oder um alte DIN-Bezeichnungen.

In der Farbkennzeichnung bedeutet:

der erste Farbring oder Farbstreifen die Gruppe des Stahles,
der zweite Farbring oder Farbstreifen die Untergruppe (Legierung oder Zustand) des Stahles,
der dritte Farbring oder Farbstreifen die Güte des Stahles nach Legierungsgehalt, Festigkeit und anderen für die Verwendung des Stahles wichtigen Merkmalen innerhalb der Untergruppe.

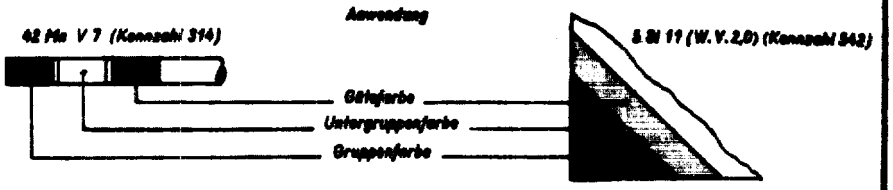
Die Farbringe sind auf Stangen, Profilen usw. an einem Ende, die Farbstreifen bei Blechen diagonal, von der Ecke beginnend, aufzubringen.

Die Farbringe oder Farbstreifen sind in je etwa 40 mm Breite so dicht aneinander aufzutragen, daß sie nicht zusammenlaufen. Ein Leerfeld, also ein Ring oder Streifen ohne Farbe, muß eindeutig abgefaßt in etwa 40 mm Breite sichtbar dargestellt werden.

Die Kennzahlen sind im Schriftverkehr zu benutzen; sie können aber zusätzlich zur Farbkennzeichnung angewendet werden, falls es die Größe der zu kennzeichnenden Stangen, Profile, Bleche usw., zuläßt.

Nicht nach dieser TGL gekennzeichnete Stähle dürfen nicht geliefert werden.

Anwendung



Ministerium für Maschinenbau

Alleinverkauf durch den Druckschriften-Vertrieb der Kammer der Technik, Berlin NW 7, Clara-Zetkin-Straße 111

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German Democratic Republic

Reg. No. 00474

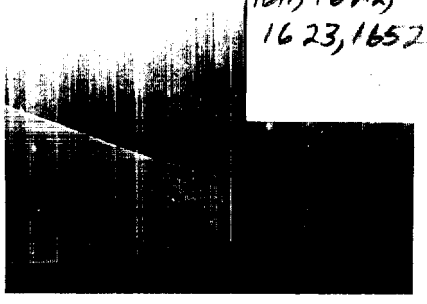
Steel Index Colors — Steel Index Numbers

TGL 2712 1951

Unalloyed Steel for Machine-Building; Construction Sheets (see supplement 6)

Supplement 1

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
	ST 00, St 00 K, St 00 KG	000	No Color	No Color	Brown	o. F.
1611, 1612, 1621, 1622, 1629, 1652	ST 00.12 Reinforcing Steel 1 according to German Industrial Standards 1045 — see Index Number 970 (Supplement 10). All products of grade ST 00 are designated with brown and are given the index number 000					
Siemens-Martin Steel Special Grades of Thomas Steel 1611, 1612, 1621, 1622, 1623, 1652	St 34 (Mu 7), St 34 K, St 34 KG	001	No Color	No Color	weiß	o. F.
	St 34 (Mb 7), St 34 K, St 34 KG	002	For these steels only, the color designations are placed on the end of the bar or in the corner of the sheet, in order to avoid confusion*		gelb	o. F.
	St 34 (Tu 7 S)	003			grün	o. F.
	St 37 (Mu 17), St 37 K, St 37 KG	004			rot	o. F.
	St 37 (Mb 17), St 37 K, St 37 KG	005			blau	o. F.
	St 37 (Tu 7 S)	006			schwarz	o. F.
	St 42 (Mu 22), St 42 K, St 42 KG	007			orange	o. F.
	St 42 (Mb 22), St 42 K, St 42 KG	008			lila	o. F.
	St 42 (Tu 14 S)	009			grau	o. F.
Thomas Steel 1611, 1612, 1621, 1622, 1623, 1652	ST 34 rimmed	011	o. F.	weiß	weiß	o. F.
	ST 34 killed	022		gelb	gelb	o. F.
		033		grün	grün	o. F.
	ST 37 (Tu 7)	044		rot	rot	o. F.
	ST 37 killed	055		blau	blau	o. F.
		066		schwarz	schwarz	o. F.
	ST 42 (Tu 14)	077		orange	orange	o. F.
	ST 42 killed	088		lila	lila	o. F.
		099		grau	grau	o. F.
Electric Steel 1611, 1612, 1621, 1622, 1623, 1652	ST 34 rimmed	111	weiß	weiß	weiß	
	ST 34 killed	222	gelb	gelb	gelb	
		333	grün	grün	grün	
	ST 37 rimmed	444	rot	rot	rot	
	ST 37 killed	555	blau	blau	blau	
		666	schwarz	schwarz	schwarz	
	ST 42 rimmed	777	orange	orange	orange	
	ST 42 killed	888	lila	lila	lila	
		999	grau	grau	grau	
Siemens-Martin Steel Electric Steel 1611, 1622, 1623, 1652	St 50 (M 33), St 50 K, St 50 KG	012	o. F.	weiß	gelb	o. F.
	St 60 (M 44), St 60 K, St 60 KG	013			grün	o. F.
	St 70 (M 59), St 70 K, St 70 KG	014			rot	o. F.
		015			blau	o. F.
		016			schwarz	o. F.
		017			orange	o. F.
		018			lila	o. F.
		019			grau	o. F.



* because in practice it is difficult to distinguish between 2 "no color" areas. [Presumably this means that the numerical designations are written on the pieces to be marked; it may, however, mean that the letters "o. F." are written in the areas without

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German Democratic Republic

Reg. No. 00474

Steel Index Colors
Steel Index Numbers

Automatic steels, Screw steels, and other similar steels

TGL 27:2 · 1951

supplement 2-1

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Automatic Steel 1651	9 S 20, 9 S 20 K	101	weiß	o. F.	weiß	o. F.
	10 S 20, 10 S 20 K	102			gelb	o. F.
	15 S 20, 15 S 20 K	103			grün	o. F.
	22 S 20, 22 S 20 K	104			rot	o. F.
	35 S 20, 35 S 20 K	105			blau	o. F.
	45 S 20, 45 S 20 K	106			schwarz	o. F.
	60 S 20, 60 S 20 K	107			orange	o. F.
		108			lila	o. F.
		109			grau	o. F.
Automatic Steel 1651		120	weiß	gelb	o. F.	
		121			weiß	
		123			grün	
	22 S 20 KV	124			rot	
	35 S 20 KV	125			blau	
	45 S 20 KV	126			schwarz	
	60 S 20 KV	127			orange	
		128			lila	
		129			grau	
Automatic Steel	9 S 20 S	130	weiß	grün	o. F.	
	9 S 25	131			weiß	
	9 S 25 S	132			gelb	
		134			rot	
		135			blau	
		136			schwarz	
		137			orange	
		138			lila	
		139			grau	
		140	weiß	rot	o. F.	
		141			weiß	
		142			gelb	
		143			grün	
		145			blau	
		146			schwarz	
		147			orange	
		148			lila	
		149			grau	
Cold-Pressed Nut Iron	7 S 10	150	weiß	blau	o. F.	
	7 S 10 S	151			weiß	
		152			gelb	
		153			grün	
Hot-Pressed Nut Iron	6 P 18	154			rot	
	6 P 18 S	156			schwarz	
	6 P 30	157			orange	
	6 P 30 S	158			lila	
		159			grau	

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German Democratic Republic
Reg. No. 00474

Steel Index Colors - Steel Index Numbers

TGL 27:2

1951

Automatic Steels, Screw Steels, and other similar Steels

Supplement 2-2

German Industrial Standards No. or Designation according to Steel Markings List		Type Designation	Index Number	Index Color Group	Sub-Group	Grade	Color Table
			160			o. F.	
			161			weiß	
			162			gelb	
			163			grün	
			164	weiß	schwarz	rot	
			165			blau	
			167			orange	
			168			lila	
			169			grau	
1613	Screw Steel	St 34.13 (Mu 7)	170			o. F.	
		St 38.13 (Mu 13)	171			weiß	
	Chain Steel	St 35.13 K (Mk 8)	172			gelb	
		Mk 8 S.	173			grün	
	Rivet Steel	Mu 10 N	174	weiß	orange	rot	
		Mb 10 N	175			blau	
	cold-swage Steel	Mk 7	176			schwarz	
		Mk 35	178			lila	
		Mk 45	179			grau	
			180			o. F.	
			181			weiß	
			182			gelb	
			183			grün	
			184	weiß	lila	rot	
			185			blau	
			186			schwarz	
			187			orange	
			189			grau	
			190			o. F.	
			191			weiß	
			192			gelb	
			193			grün	
			194	weiß	grau	rot	
			195			blau	
			196			schwarz	
			197			orange	
			198			lila	

Rivet Steel 10 MN 4, see Index Number 908 (Supplement 10-1)

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German Democratic Republic
Req. No. 00474

Steel Index Colors
Steel Index Numbers
Casehardening Steels

TGL 27:2 Supplement 3-1 1951

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
[redacted], 1652 17210	C 10	201	gelb	o. F.	weiß	o. F.
	C 15, C 15 K, C 15 KG	202			gelb	o. F.
		203			grün	o. F.
		204			rot	o. F.
		205			blau	o. F.
17210	Ck 10, Ck 10 K, Ck 10 KG	206			schwarz	o. F.
	Ck 15, Ck 15 K, Ck 15 KG	207			orange	o. F.
		208			lila	o. F.
		209			grau	o. F.
17210 1666	15 Cr 3 (EC 60)	210	gelb	weiß	o. F.	
	16 Mn Cr 5 (EC 80)	212			gelb	
	20 Mn Cr 5 (EC 100)	213			grün	
	22 Mn Cr 6 (EC 100)	214			rot	
		215			blau	
		216			schwarz	
		217			orange	
		218			lila	
		219			grau	
17210 1662	15 Cr Ni 5	230	gelb	grün	o. F.	
	18 Cr Ni 8	231			weiß	
	ECN 25	232			gelb	
	15 Cr Ni 13 (ECN 35)	234			rot	
	ECN 45	235			blau	
		236			schwarz	
		237			orange	
		238			lila	
		239			grau	
1663	EC Mo 80	240	gelb	rot	o. F.	
	EC Mo 100	241			weiß	
		242			gelb	
		243			grün	
		245			blau	
		246			schwarz	
		247			orange	
		248			lila	
		249			grau	
		250	gelb	blau	o. F.	
		251			weiß	
		252			gelb	
		253			grün	
		254			rot	
		256			schwarz	
		257			orange	
		258			lila	
		259			grau	

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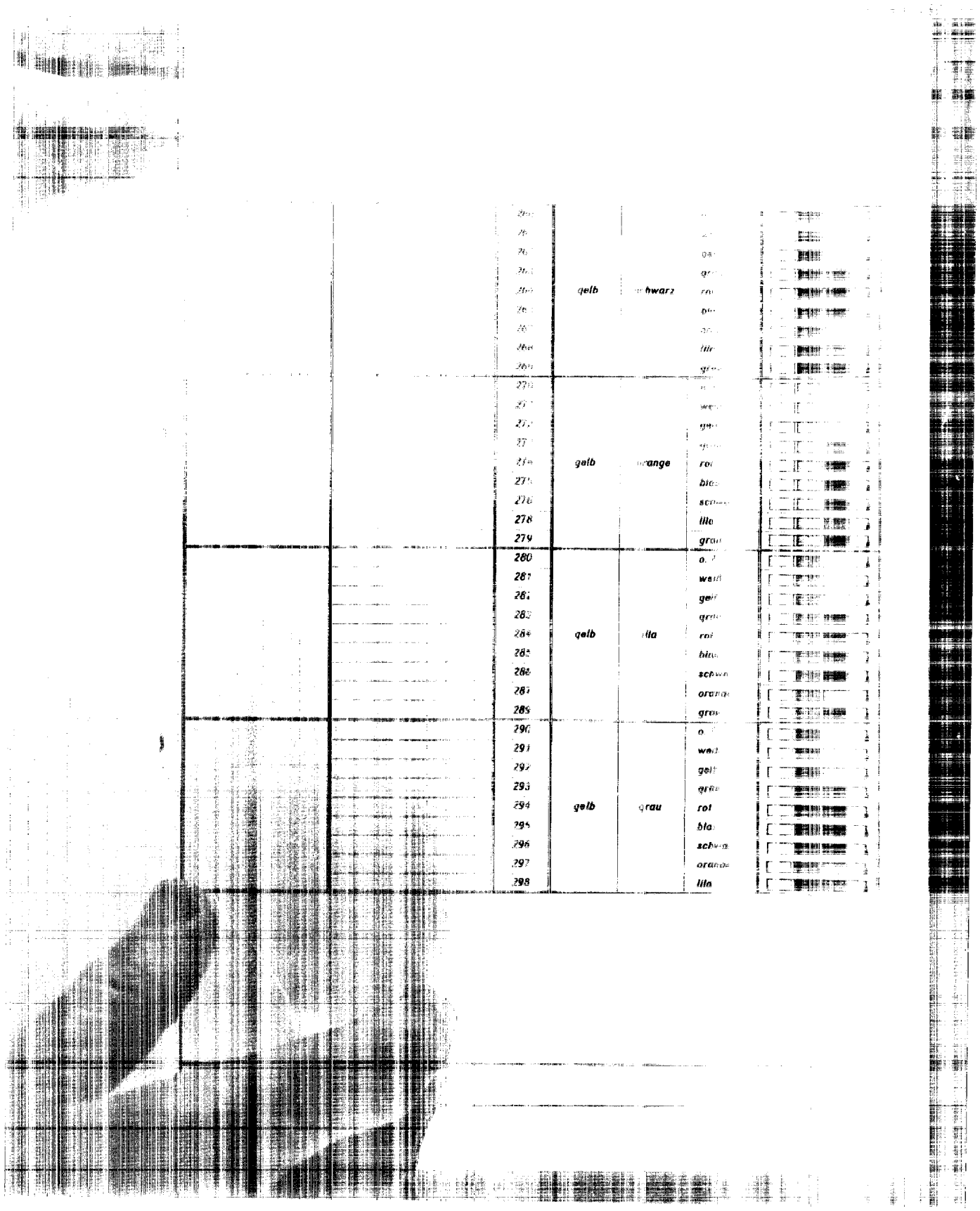

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German Democratic Republic
Req. No. 00474
German Industrial Standards No. or Designation according to Steel Markings List

Steel Index Colors for Steel Index Numbers

Heat-Treatable Steels

TGL 27:2 1951
Supplement 4-1

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
[redacted], 1652 17200	C 22, C 22 K, C 22 KG	301	grün	o. F.	weiß	o. F.
	C 35, C 35 K, C 35 KG	302			gelb	o. F.
	C 45, C 45 K, C 45 KG	303			grün	o. F.
	C 60, C 60 K, C 60 KG	304			rot	o. F.
		305			blau	o. F.
17200	Ck 22, Ck 22 K, Ck 22 KG	306			schwarz	o. F.
	Ck 35, Ck 35 K, Ck 35 KG	307			orange	o. F.
	Ck 45, Ck 45 K, Ck 45 KG	308			lila	o. F.
	Ck 60, Ck 60 K, Ck 60 KG	309			grau	o. F.
[redacted] 17200	40 Mn 4	310	grün	weiß	o. F.	
	30 Mn 5 (VM 125)	312			gelb	
	37 Mn Si 5 (VMS 135)	313			grün	
	42 Mn V 7	314			rot	
		315			blau	
		316			schwarz	
		317			orange	
		318			lila	
		319			grau	
17200 1667	34 Cr 4 (VC 135)	320	grün	gelb	o. F.	
	41 Cr 4 (VC 140)	321			weiß	
	50 Cr V 4 (VCV 150)	323			grün	
	58 Cr V 4	324			rot	
		325			blau	
		326			schwarz	
		327			orange	
		328			lila	
		329			grau	
[redacted] 17200	25 Cr Mo 4 (VCMo 125)	340	grün	rot	o. F.	
	34 Cr Mo 4 (VCMo 135)	341			weiß	
	42 Cr Mo 4 (VCMo 140)	342			gelb	
	50 Cr Mo 4	343			grün	
	30 Cr Mo 9	345			blau	
		346			schwarz	
		347			orange	
		348			lila	
		349			grau	
1662	VCN 15 w	350	grün	blau	o. F.	
	VCN 15 h	351			weiß	
	VCN 25 w	352			gelb	
	VCN 25 h	353			grün	
	30 Cr Ni 13 (VCN 35 w)	354			rot	
	30 Cr Ni 13 (VCN 35 h)	356			schwarz	
	VCN 45	357			orange	
		358			lila	
		359			grau	

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German Democratic Republic
Req. No. 00474

Steel Index Colors
Steel Index Numbers
Heat-Treatable Steels

TGL 27:2 · 1957
Supplement 4-2

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
17200	38 Cr Ni Mo 4	360	grün	schwarz	o. F.	
	34 Cr Ni Mo 6	361			weiß	
	30 Cr Ni Mo 8	362			gelb	
		363			grün	
		364			rot	
		365			blau	
		367			orange	
		368			lila	
		369			grau	
1652	C 22 KV	370	grün	orange	o. F.	
	Ck 22 KV	371			weiß	
	C 35 KV	372			gelb	
	Ck 35 KV	373			grün	
	C 45 KV	374			rot	
	Ck 45 KV	375			blau	
	C 60 KV	376			schwarz	
	Ck 60 KV	378			lila	
		379			grau	
Nitriding Steel (flame-tempering, induction-tempering and Dip-Tempering)	27 Cr Al 6	380	grün	lila	o. F.	
	34 Cr Al 6	381			weiß	
	32 Al Cr Mo 4	382			gelb	
	31 Cr Mo V 9	383			grün	
	33 Cr Al Ni 7	384			rot	
	30 Cr Al Si 5	385			blau	
	C 53	386			schwarz	
	Ck 53	387			orange	
	46 Mn Si 4	389			grau	
		390	grün	grau	o. F.	
		391			weiß	
		392			gelb	
		393			grün	
		394			rot	
		395			blau	
		396			schwarz	
		397			orange	
		398			lila	

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German Democratic Republic
Reg. No. 00 474

German Industrial Standards (No. or Designation according to Steel Markings List

Steel Index Colors
Steel Index Numbers
Spring Steels, Welding Wire, Steel Wire

TGL 27:2 supplement 5-1 1951

	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Spring Steel for leaf springs and conical spiral springs 1669	50 Mn 7	401	rot	o. F.	weiß	o. F.
		402			gelb	o. F.
		403			grün	o. F.
	48 Si 7	404			rot	o. F.
	55 Si 7	405			blau	o. F.
	65 Si 7	406			schwarz	o. F.
		407			orange	o. F.
		408			lila	o. F.
		409			grau	o. F.
Welding Wire	DO	410	rot	weiß	o. F.	
	DOS	412			gelb	
	DI	413			grün	
	DIS	414			rot	
	DOS Ia	415			blau	
	DIS Ia	416			schwarz	
	D II 8 Mn 6	417			orange	
	D III 25 Mn 6	418			lila	
		419			grau	
Wire for Gas welding	DIG	420	rot	gelb	o. F.	
		421			weiß	
		423			grün	
		424			rot	
		425			blau	
		426			schwarz	
		427			orange	
		428			lila	
		429			grau	
Wire for Metal-Coating Process (Unter-Pulver-Verfahren)	10 Mn 5	430	rot	grün	o. F.	
	10 Mn 8	431			weiß	
	13 Mn 12	432			gelb	
		434			rot	
		435			blau	
	23 Cr Mo 4	436			schwarz	
	23 Mn Cr 4	437			orange	
		438			lila	
		439			grau	
Steel Wire Grade III	M 17	450	rot	blau	o. F.	
	M 22	451			weiß	
	M 27	452			gelb	
	M 35	453			grün	
	M 45	454			rot	
	M 55	456			schwarz	
		457			orange	
		458			lila	
		459			grau	

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German Democratic Republic
Reg. No. 00474

German Industrial Standards No. or Designation according to Steel Markings List

Steel Index Colors
Steel Index Numbers
Spring Steels and Steel Wire

TGL 27;2 Supplement 5-2 · 1951

		Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Steel Wire Grade II	Scraper Wire	Mk 45 K	460	rot	schwarz	o. F.	
			461			weiß	
		Mk 53	462			gelb	
		Mk 58	463			grün	
		Mk 63	464			rot	
		Mk 68	465			blau	
		Mk 73	467			orange	
		Mk 78	468			lila	
			469			grau	
Steel Wire Grade II		Mk 83	470	rot	orange	o. F.	
		Mk 88	471			weiß	
		Mk 93	472			gelb	
			473			grün	
			474			rot	
			475			blau	
			476			schwarz	
			478			lila	
			479			grau	
Steel Wire Grade I		Mk 72	480	rot	lila	o. F.	
		Mk 77	481			weiß	
		Mk 82	482			gelb	
		Mk 87	483			grün	
		Mk 92	484			rot	
		Mk 97	485			blau	
			486			schwarz	
			487			orange	
			489			grau	
Special Wire	Signal Wire Needle Wire	M 40	490	rot	grau	o. F.	
		Mk 80	491			weiß	
			492			gelb	
			493			grün	
			494			rot	
			495			blau	
			496			schwarz	
			497			orange	
			498			lila	

For Spring steel 50 Cr V 4 see Index No. 323 (supplement 4-1)
For Spring steel 55 C 2 see Index No. 942 (supplement 10-1)
For Spring steel Tu 7 see Index No. 044 (supplement 1)
For Spring steel Tu 7 S see Index No. 006 (supplement 1)

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German Democratic Republic
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Steel Index Colors
Steel Index Numbers
Sheets and Pipes

TGL 21:2
Supplement 6-1

German Industrial Standards No. or Designation according to Steel Markings List		Type Designation		Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Commercial Sheets 1623 (except ordinary construction sheets, supplement 1)	Heavy Sheet I	St I 23		501	blau	o. F.	weiß	o. F.
	Heavy Sheet II	St II 23		502			gelb	o. F.
	Galvanizing Sheets	St III 23	(Mu 7)	503			grün	o. F.
	Enameling Sheets	St III 23	(Mb 7 E)	504			rot	o. F.
	Sheets for Drawing I	St V 23	(Mu 7 Z)	505			blau	o. F.
	Sheets for Drawing II	St VI 23	(Mb 7 Z)	506			schwarz	o. F.
	Sheets for Deep Drawing	St VII 23	(Mu 6 T)	507			orange	o. F.
		St VII 23	(Mb 6 T)	508			lila	o. F.
	Sheets for very Deep Drawing	St VIII 23	(Mk 6 S)	509			grau	o. F.
	Very Deep Drawing Sheets	St VIII 23	(Mk 6 K)	510	blau	weiß	o. F.	
	Auto-Body Sheets	St IX 23	(Mb 7 Z)	512			gelb	
	Lining Sheets	St X 23	(Mk 6 K)	513			grün	
	Auto-Body Sheets			514			rot	
				515			blau	
				516			schwarz	
				517			orange	
				518			lila	
				519			grau	
Special Sheets 1622	Sheets for Cans	Ck 10 Al		520	blau	gelb	o. F.	
		Ma 8 Al		521			weiß	
				523			grün	
	Spacers for Ball-Bearings	Ck 9		524			rot	
				525			blau	
	Tube Sheets	St 34.22 R	(Tu 7 R)	526			schwarz	
		St 34.22 R	(Mu 8 R)	527			orange	
		St 34.22 R	(Mb 7 R)	528			lila	
				529			grau	
Medium Sheets (Special Grades) 1622	Presser Plates	St 34.22 P	(Mu 7 P)	530	blau	grün	o. F.	
	Weldable Construction Sheets I S	St 34.22 P	(Mb 7 P)	531			weiß	
		St 37.22 S	(Mu 17 S)	532			gelb	
		St 37.22 S	(Mb 17 S)	534			rot	
	Weldable Construction Sheets II S	St 42.22	(Mu 22 S)	535			blau	
		St 42.22	(Mb 22 S)	536			schwarz	
				537			orange	
				538			lila	
				539			grau	
Dynamo Sheets		8 Si 3	(W. V. 3,6)	540	blau	rot	o. F.	
				541			weiß	
Transformer Sheets		5 Si 11	(W. V. 2,0)	542			gelb	
		5 Si 16	(W. V. 1,5)	543			grün	
		5 Si 16	(W. V. 1,3)	545			blau	
		5 Si 17	(W. V. 1,1)	546			schwarz	
				547			orange	
				548			lila	
				549			grau	

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German Democratic Republic
Reg. No. 00474

Steel Index Colors - Steel Index Numbers
Sheets and Pipes

TGL 27:2
1951
Supplement 6-2

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Boiler Sheets	C 12	560	blau	schwarz	o. F.	
	C 12 A	561			weiß	
	C 18	562			gelb	
	C 18 A	563			grün	
	C 20	564			rot	
	C 20 A	565			blau	
	C 25	567			orange	
	C 25 A	568			lila	
	C 25 L	569			grau	
		570	blau	orange	o. F.	
		571			weiß	
		572			gelb	
		573			grün	
		574			rot	
		575			blau	
		576			schwarz	
		578			lila	
		579			grau	
Pipes 1625	C 12 R (St 35.25)	580	blau	lila	o. F.	
	C 12 AR (St 35.25)	581			weiß	
	C 25 R (St 45.25)	582			gelb	
	C 25 AR (St 45.25)	583			grün	
	C 25 LR (St 45.25)	584			rot	
	C 35 R (St 55.25)	585			blau	
	C 35 AR (St 55.25)	586			schwarz	
	15 Mn 4 (Mn St 45.25)	587			orange	
	13 Cr V 5 (CrV St 50.25) 1)	589			grau	
Pipes 1628 1629	St 34.28	590	blau	grau	o. F.	
		591			weiß	
		592			gelb	
	St 35.29	593			grün	
	St 45.29	594			rot	
	St 55.29	595			blau	
	St 65.29	596			schwarz	
		597			orange	
		598			lila	

For Boiler sheet C 15 see Index No. 203 (Supplement 3-1)

1) according to German Industrial Standard No. 1625: 12 Cr V 5

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Reg. No. 00474

German Industrial standards No. or Designation according to steel Markings List

Steel Index Colors
Steel Index Numbers
Unalloyed Tool Steels

IGL 27.2 supplement 7-1

1961

Type Designation	Index Number	Index Colors			
		Group	Sub-Group	Grade	Color Table
	601	schwarz	o. F.	weiß	o. F.
	602			gelb	o. F.
	603			grün	o. F.
	604			rot	o. F.
	605			blau	o. F.
	606			schwarz	o. F.
	607			orange	o. F.
	608			lila	o. F.
	609			grau	o. F.
	610	schwarz	weiß	o. F.	
	612			gelb	
	613			grün	
	614			rot	
	615			blau	
	616			schwarz	
	617			orange	
	618			lila	
	619			grau	
	620	schwarz	gelb	o. F.	
	621			weiß	
	623			grün	
	624			rot	
	625			blau	
	626			schwarz	
	627			orange	
	628			lila	
	629			grau	
	630	schwarz	grün	o. F.	
	631			weiß	
	632			gelb	
	634			rot	
	635			blau	
	636			schwarz	
	637			orange	
	638			lila	
	639			grau	
	640	schwarz	rot	o. F.	
	641			weiß	
	642			gelb	
	643			grün	
	645			blau	
	646			schwarz	
	647			orange	
	648			lila	
	649			grau	

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German Democratic Republic
Reg. No. 00474

German Industrial Standards No. or Designation according to Steel Markings List

Steel Index Colors
Steel Index Numbers
Unalloyed Tool Steels

TGL 1951
27:2
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Type Designation	Index Number	Index Colors			
		Group	Sub-Group	Grade	Color Table
	650	schwarz	blau	o. F.	
	651			weiß	
	652			gelb	
	653			grün	
	654			rot	
	656			schwarz	
	657			orange	
	658			lila	
	659			grau	
	670	schwarz	orange	o. F.	
	671			weiß	
	672			gelb	
	673			grün	
	674			rot	
	675			blau	
	676			schwarz	
	678			lila	
	679			grau	
	680	schwarz	lila	o. F.	
	681			weiß	
	682			gelb	
	683			grün	
	684			rot	
	685			blau	
	686			schwarz	
	687			orange	
	689			grau	
	690	schwarz	grau	o. F.	
	691			weiß	
	692			gelb	
	693			grün	
	694			rot	
	695			blau	
	696			schwarz	
	697			orange	
	698			lila	

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German Democratic Republic
Reg. No. 00479

Steel Index Colors
Steel Index Numbers
Alloyed Tool Steels, High-Speed Steels Etc.

TGL 27:2 1951
Supplement 8-1

German Industrial Standards No. or Designation According To Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Mn + Si		701	orange	o. F.	weiß	o. F.
		702			gelb	o. F.
		703			grün	o. F.
		704			rot	o. F.
		705			blau	o. F.
		706			schwarz	o. F.
		707			orange	o. F.
		708			lila	o. F.
		709			grau	o. F.
Mn + Si + V		710	orange	weiß	o. F.	
		712			gelb	
		713			grün	
		714			rot	
		715			blau	
		716			schwarz	
		717			orange	
		718			lila	
		719			grau	
Mn + Si + V + Cr		720	orange	gelb	o. F.	
		721			weiß	
		723			grün	
		724			rot	
		725			blau	
		726			schwarz	
		727			orange	
		728			lila	
		729			grau	
Mn + Si + V + Cr + Ni + Mo		730	orange	grün	o. F.	
		731			weiß	
		732			gelb	
		734			rot	
		735			blau	
		736			schwarz	
		737			orange	
		738			lila	
		739			grau	
Mn + Si + V + Cr + Ni + Mo + W + Co		740	orange	rot	o. F.	
		741			weiß	
		742			gelb	
		743			grün	
		745			blau	
		746			schwarz	
		747			orange	
		748			lila	
		749			grau	

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German Democratic Republic
Reg. No. 00474

Steel Index Colors
Steel Index Numbers
Alloyed Tool Steels, High-Speed Steels, and Similar Steels

TGL 27: 2
Supplement 8-2
1951

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
MN+Si+V+Cr+Ni+Mo+W+Co+ Special Admixture.		750	orange	blau	o. F.	
		751			weiß	
		752			gelb	
		753			grün	
		754			rot	
		756			schwarz	
		757			orange	
		758			lila	
		759			grau	
		760	orange	schwarz	o. F.	
		761			weiß	
		762			gelb	
		763			grün	
		764			rot	
		765			blau	
		767			orange	
		768			lila	
		769			grau	
High-Speed Steel		780	orange	lila	o. F.	
		781			weiß	
		782			gelb	
		783			grün	
		784			rot	
		785			blau	
		786			schwarz	
		787			orange	
		789			grau	
		790	orange	grau	o. F.	
		791			weiß	
		792			gelb	
		793			grün	
		794			rot	
		795			blau	
		796			schwarz	
		797			orange	
		798			lila	

For Alloyed Tool Steel 50 Cr V4 see Index No. 323 (supplement 4-1)

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GERMAN Democratic Republic
Reg. No. 00474

Steel Index Colors
Steel Index Numbers
Special Steels

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1961
supplement 9-1

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Steel for anti-friction bearings	100 Cr 4	801	lila	o. F.	weiß	o. F.
	100 Cr 6	802			gelb	o. F.
		803			grün	o. F.
		804			rot	o. F.
		805			blau	o. F.
Rolls for cold-rolling Metals	100 Cr 6	806			schwarz	o. F.
		807			orange	o. F.
		808			lila	o. F.
		809			grau	o. F.
		810	lila	weiß	o. F.	
		812			gelb	
		813			grün	
		814			rot	
		815			blau	
		816			schwarz	
		817			orange	
		818			lila	
		819			grau	
Steel for High-temperature service		820	lila	gelb	o. F.	
		821			weiß	
		823			grün	
		824			rot	
		825			blau	
		826			schwarz	
		827			orange	
		828			lila	
		829			grau	
Heat-proof and Scale-resistant Steel	12 Cr Si 24 x	830	lila	grün	o. F.	
		831			weiß	
		832			gelb	
		834			rot	
		835			blau	
		836			schwarz	
		837			orange	
		838			lila	
		839			grau	
Corrosion-resistant Steel	25 Mn 8	840	lila	rot	o. F.	
	X 20 Cr 13 (NR St 70)	841			weiß	
		842			gelb	
		843			grün	
		845			blau	
		846			schwarz	
		847			orange	
		848			lila	
		849			grau	

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Steel Index Colors
Steel Index Numbers
Special Steels

TGL 27:2 supplement 9-2 1951

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Wear-resistant Steel	85 MN 54	850	lila	blau	o. F.	
		851			weiß	
		852			gelb	
		853			grün	
		854			rot	
		856			schwarz	
		857			orange	
		858			lila	
		859			grau	
Valve Steel	Steel for valve cones	860	lila	schwarz	o. F.	
		861			weiß	
		862			gelb	
		863			grün	
		864			rot	
		865			blau	
		867			orange	
		868			lila	
		869			grau	
Steel with special Physical Properties	Soft Iron	870	lila	orange	o. F.	
		871			weiß	
		872			gelb	
		873			grün	
		874			rot	
		875			blau	
		876			schwarz	
		878			lila	
		879			grau	
Cold-resistant Other Special Steel	Cr 18 Al	890	lila	grau	o. F.	
		891			weiß	
		892			gelb	
		893			grün	
		894			rot	
		895			blau	
		896			schwarz	
		897			orange	
		898			lila	

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Steel Index Colors
Steel Index Numbers
Other Steels

TGL 27:2
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1961

German Industrial Standards No. or Designation according to Steel Markings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Locomotive wheel rims	C 65	901	grau	o. F.	weiß	o. F.
rail motorcar rims	60 Cr 5	902			gelb	o. F.
Rails	T 40	903			grün	o. F.
Stay Bolts	Mk 10	904			rot	o. F.
Axles	C 30	905			blau	o. F.
Axles	C 40	906			schwarz	o. F.
Screw couplings	45 Mn Si 5	907			orange	o. F.
Rivets	St 44 (10 Mn 4)	908			lila	o. F.
	St 52	909			grau	o. F.
Streetcar axles	40 Mn 7	910	grau	weiß	o. F.	
		912			gelb	
		913			grün	
		914			rot	
		915			blau	
		916			schwarz	
		917			orange	
		918			lila	
additional steels at the end of the color table		919			grau	
Steels conforming to (Soviet) State All-Union Standards (GOST)	St 0	920	grau	gelb	o. F.	
	St 1	921			weiß	
	St 2	923			grün	
	St 3	924			rot	
	St 4	925			blau	
	St 5	926			schwarz	
	St 6	927			orange	
	St 7	928			lila	
		929			grau	
Steels conforming to (Soviet) State All-Union Standards (GOST)	M St 0	930	grau	grün	o. F.	
	M St 1	931			weiß	
	M St 2	932			gelb	
	M St 3	934			rot	
	M St 4	935			blau	
	M St 5	936			schwarz	
	M St 6	937			orange	
	M St 7	938			lila	
		939			grau	
Steels conforming to (Soviet) State All-Union Standards (GOST)	St 3 T	940	grau	rot	o. F.	
	St 3 K	941			weiß	
	55 C 2	942			gelb	
		943			grün	
		945			blau	
		946			schwarz	
		947			orange	
		948			lila	
		949			grau	

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German Democratic Republic
Reg. No. 00474

Steel Index Colors
Steel Index Numbers
Other Steels

TGL 27:2

Supplement 10-2

German Industrial Standards No. or Designation according to Steel Mark-ings List	Type Designation	Index Number	Index Colors: Group	Sub-Group	Grade	Color Table
Steels conforming to (Soviet) State All-Union Standards (GOST)	T St 0	950	grau	blau	o. F.	
	T St 3	951			weiß	
	T St 4	952			gelb	
	T St 5	953			grün	
		954			rot	
		956			schwarz	
		957			orange	
		958			lila	
		959			grau	
		960	grau	schwarz	o. F.	
		961			weiß	
		962			gelb	
		963			grün	
		964			rot	
		965			blau	
		967			orange	
		968			lila	
		969			grau	
Reinforcing Steel I	St 00.12	970	grau	orange	o. F.	
Reinforcing Steel (for concrete)		971			weiß	
		972			gelb	
		973			grün	
		974			rot	
		975			blau	
		976			schwarz	
		978			lila	
		979			grau	
		980	grau	lila	o. F.	
		981			weiß	
		982			gelb	
		983			grün	
		984			rot	
		985			blau	
		986			schwarz	
		987			orange	
		989			grau	

For Wheel Bodies C22 see Index No. 301 (Supplement 4-1)

For Wheel Bands and Rims
- C45 see Index No. 305 (Supplement 4-1)
- C53 see Index No. 386 (Supplement 4-2)
- C60 see Index No. 307 (Supplement 4-1)

Rivets
- ST 44 (10 MN) } Marked with a silvery aluminum color
- ST 52 } (for sale only to the Reichsbahn)

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